

Linked Open Data

For several years, the hbz has been structuring a linked open data (LOD) program which lays the theoretical and technological foundations for future library services. In doing so, the hbz has played a significant role in establishing innovative developments within the library community.

These developments rely upon two principles:

1. open licenses and data publications free to use for everyone
2. new technologies which are based on the cross-domain linked data standards of the World Wide Web Consortium (W3C)

The linked open data developments of the hbz are presented in the experimental service lobid.org.

Digitalization

In the digital age, users increasingly consume information via computers, tablet PCs or smartphones. The digitalization of content enables libraries to distribute former print media electronically and offer added value which meets the requirements of modern user behavior.

What the hbz offers

The hbz offers a hosting solution for digitization projects as well as a broad spectrum of services in cooperation with external companies. User-friendly workflows cover every stage from digitization to indexing, and to the distribution of data for convenient use on the internet.

At present, two digitization platforms are offered by the hbz:

scantoweb hosted by hbz

In collaboration with partner companies, Walter Nagel and semantics, hbz offers the hosted digitization software "Visual Library" and a complete project management. Besides retrodigitization, the modular suite "Visual Campus" offers interfaces to course management systems, the possibility to provide electronic textbooks according to copyright law, as well as a repository or on-campus delivery services.

eRoom

The eRoom solution offered in cooperation with our partner, ImageWare, assists in the whole spectrum of a digitization workflow. It covers the scanning process of analogue media, editing of metadata, full text indexing and the dissemination of data to end-users on the internet.

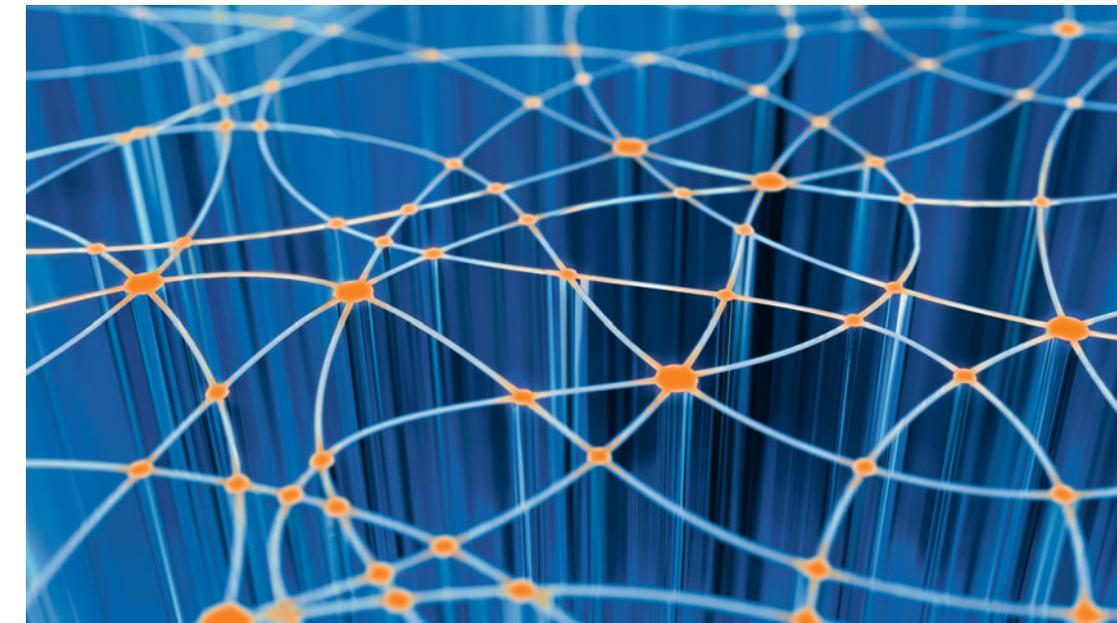
Benefits for libraries

Our hosting solution offers the following benefits to libraries: There is no need for investment in hardware, software and staff on the side of the library. The hbz offers all advantages of a high-performance data centre such as a high-speed internet connection and data security. In collaboration with the software vendors, we have implemented interfaces for other hbz products. Selected basic software modules are available at reduced rates.

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**North Rhine-Westphalian Library
Service Centre.**
hbz product scope.

The hbz Union Catalogue

Sharing resources

The hbz Library Service Centre supports libraries with utilities such as the hbz Union Catalogue and a variety of related library services. Libraries can corporately catalogue and classify their holdings and make them available to end-users. Associated libraries benefit greatly from synergies derived from cooperative cataloguing and classification.

The hbz Union Catalogue contains more than 18 million title entries and 39 million local data sets based on jointly recorded data, distributed over networked libraries in North Rhine-Westphalia and the Rhineland-Palatinate. Furthermore, the North Rhine-Westphalian bibliography and all journals contained in the Union Catalogue of Serials (ZDB) are integrated in the hbz Union Catalogue.

The hbz Union Catalogue provides:

- a comprehensive range of third-party data integrated from the German National Library (DNB), English, French and Italian resources as well as online interfaces to local and international library systems, and metadata contained therein
- use of and online-editing functionality for authority data (GND)
- catalogue enrichment services using digital objects and subject indexing
- import of metadata for e-books acquired through national licensing agreements
- online interfaces to local systems, featuring immediate synchronization with bibliographical and inventory data
- professional library services (e.g. data manuals, advisory services on data formats, formatting and cataloguing issues)

The data and interfaces of the hbz Union Catalogue are the foundation for various products and library services. The Catalogue is integrated into several end-user portals and the Online Inter-Library Loans Service. As such, it provides an extensive data base for linked open data services.

DigiBib – The Digital Library

One library portal – multifaceted services

DigiBib consolidates versatile digital content and library information services within a common user interface.

The Digital Library comprises:

- extensive online search and ordering options
- cross-database search facilities in more than 500 catalogues, subject and full-text databases as well as reference works
- access to electronic full-text resources, availability check features for titles retrieved, lending transactions from local catalogues, inter-library loan /document delivery services and links to online bookshops
- integrated external services such as the DigiLink directory of e-resources, the database information system DBIS, the Electronic Journals Library (EZB) and the digital enquiries module “DigiAuskunft”
- an OpenURL resolver integration easily available to any external application
- authentication services providing access control to licensed electronic resources
- many configuration options, i.e. selection of databases
- customized services, i.e. various export functionalities and browser plug-ins

Convenient solutions for end-users and libraries

- clearly-arranged and web accessible user interface
- subsequent authentication without losing initial search results
- a high grade of adaptability to match with the library’s corporate design and website

- hosting, development and support by hbz Library Service Centre

To date, some 250 libraries from ten German federal states use their own customized access to the Digital Library. The integration of search indexes, local system functionality and an application for mobile devices will make DigiBib even more user-friendly.
www.digibib.net

DigiLink

Co-operative administration of subject specific links

DigiLink is designed as a distributed and cooperative service that manages and displays electronic resources in a fully customized way. DigiLink can be integrated in DigiBib or used as a stand-alone solution. Currently, more than 40,000 links from 127 locations are managed by DigiLink.

DigiAuskunft

You ask – we answer

Also managed cooperatively, the DigiAuskunft service handles e-mail enquiries processed by nearly 70 libraries. An optional chat module allows for real-time communication with library users. Apart from this, the DigiAuskunft system acts as an efficient administration tool for general user enquiries.

Online Inter-Library Loan

Online Inter-Library Loan and document delivery services

The Online Inter-Library Loan Service represents an important module within the multifaceted structure of

the Digital Library (DigiBib). With more than 370 participating libraries and a corresponding number of 1 million order requests per year, the Online Inter-Library Loan system has become one of the most fundamental hbz services. Convenient order and delivery services provide fast and easy access for all those seeking information in academic and public library holdings. Associated libraries of the hbz network benefit from this encompassing service which functions as the central inter-library loan service for North Rhine-Westphalia and the Rhineland-Palatinate.

Digital Content

The hbz consortium management deals with the economical procurement and licensing of databases, full-text resources and e-books – both for North Rhine-Westphalia, the Rhineland-Palatinate and nationwide.

Our offers include:

- negotiations with content providers
- centralized contract management
- financial management
- demand surveys
- product introductions and training
- trial access management
- usage statistics
- database hosting
- membership in the German, Austrian and Swiss Consortiums (GASCO)

German Library Statistics – DBS

The DBS is the only technical instrument handling performance figures for German libraries based on stipulated standards. Full electronic recording and evaluation is provided for the data of almost 14,300 libraries.

DBS offers:

- citable annual statistics providing a quick overview on the core data of participating academic and public libraries
- online reporting systems:
 - the “variable analysis” handles individual queries based on library data reaching back to 1999
 - “BibS”, a library search engine using library profiles and comparisons as well as similarity analysis
- an “indicator grid” for public libraries automatically creates a comparative library profile
- the DBS poster “libraries count” which contains data extracts in printed form
- personal advice by DBS editorial staff
- free and voluntary participation for every library

In cooperation with the Competence Network for Libraries (KNB), the hbz is responsible for the implementation and analysis, as well as technical and editorial support.

BIX – the Library Index is mainly based upon DBS data and organized as a cooperative service of the German Library Association (dbv), B.I.T. online and the hbz. It provides a performance ranking for libraries in Germany and allows for a differentiated benchmarking.

ÖBS – Austrian Library Statistics

Using the technical infrastructure of the DBS, the ÖBS has been collecting data from Austrian academic libraries since 2008. ÖBS has become a partner of the “Österreichische Bibliothekenverbund und Service GmbH” (obvsg).

www.bibliotheksstatistik.de
www.bix-bibliotheksindex.de
www.bibliotheksstatistik.at

Digital Peer Publishing DiPP NRW

DiPP – Digital Peer Publishing

Digital Peer Publishing (DiPP) enables academic staff to self-publish their research findings and scholarly information. The underlying DiPP platform provides individual and comprehensive solutions for setting up an open access publishing infrastructure. With DiPP, the hbz supports both e-journal editors and libraries in the context of organizational, technical and legal issues concerning open-access publications.

The digital workspace of DiPP allows unique enrichment methods. It creates compound publications with added supporting materials such as research data, software or multimedia assets. The web-based peer-reviewing system ensures the high quality of the e-journal. Article citation is guaranteed by persistent identifiers (URN). In addition to expanding and supporting the system, the hbz is involved in the long-term archiving of the articles and their citation in international databases and search engines. An author-friendly Digital Peer Publishing License (DPPL) regulates the conditions for use of the content.

DiPP is available for new partners in and beyond North Rhine-Westphalia.